

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of updating Internet access point information in the ~~terminal equipment~~ mobile station of a digital mobile communication system, comprising:

the ~~terminal equipment~~ mobile station establishing a connection via the mobile communication system to one of a number of Internet access points providing access to the Internet,

the ~~terminal equipment~~ mobile station storing settings of Internet access points that were used last time to access the Internet,

the ~~terminal equipment~~ mobile station storing system information on the mobile communication network or on part of the mobile communication network used to access the Internet last time,

the ~~terminal equipment~~ mobile station receiving broadcast system information on the mobile communication network or on part of the mobile communication network in the current location of the ~~terminal equipment~~ mobile station,

the ~~terminal equipment~~ mobile station comparing said received system information with said stored system information,

the ~~terminal equipment~~ mobile station starting a procedure for updating the stored Internet access point settings of the ~~terminal equipment~~ mobile station with Internet access point settings recommended for the currently used mobile communication network or for part of the mobile communication network, if the ~~terminal equipment~~ mobile station notes, on the basis of said stored and received system information, that the mobile communication network or part of the mobile communication network has changed.

2. (Currently Amended) A method as claimed in claim 1, further comprising the ~~terminal equipment~~ mobile station carrying out said comparison only when a new Internet transaction is started, and

the ~~terminal equipment~~ mobile station carrying out said updating procedure before setting up a call to the Internet access point via the mobile communication system, if the ~~terminal equipment~~ mobile station notes, on the basis of said stored and received system information, that the mobile communication network or part of the mobile communication network has changed.

3. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the ~~terminal equipment~~ mobile station requesting Internet access point settings from the Internet service provider's server via the mobile communication system, said request comprising system information identifying the current mobile communication system of the ~~terminal equipment~~ mobile station or part of the mobile communication system,

receiving said request at said server

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the ~~terminal equipment~~ mobile station,

sending selected settings from said server via the mobile communication network to the ~~terminal equipment~~ mobile station,

receiving selected settings in the ~~terminal equipment~~ mobile station, and

updating Internet access point settings of the ~~terminal equipment~~ mobile station with said selected settings.

4. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the ~~terminal equipment~~ mobile station sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the ~~terminal equipment~~ mobile station or part of the mobile communication network,

receiving said message in said message centre,

sending a request for Internet access point settings from the message centre to the Internet service provider's server by using protocols of the Internet network, said request

comprising system information identifying the current mobile communication network of the ~~terminal-equipment~~ mobile station or part of the mobile communication network,

receiving said request in said server,

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the ~~terminal-equipment~~ mobile station,

sending a response including the selected settings from said server to the message service centre by using protocols of the Internet network,

receiving said message in the ~~terminal-equipment~~ mobile station, and

updating Internet access point settings of the ~~terminal-equipment~~ mobile station with said selected settings.

5. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the ~~terminal-equipment~~ mobile station sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the ~~terminal-equipment~~ mobile station or part of the mobile communication network,

receiving said message in said short message service centre,

retrieving the World Wide Web (WWW) page including Internet access point settings from the Internet network by using protocols of the Internet network as a response to said message sent by the mobile station,

selecting Internet access point settings suitable for the location of the mobile station from the received WWW page on the basis of said system information,

sending a message including said selected settings from the message service centre to the ~~terminal-equipment~~ mobile station,

receiving said message in the ~~terminal-equipment~~ mobile station, and

updating Internet access point settings of the ~~terminal-equipment~~ mobile station with said selected settings.

6. (Currently Amended) A method as claimed in claim 1, further comprising the mobile communication network or part of the network broadcasting messages including

information on settings of the recommended Internet access point to the ~~terminal equipment~~ mobile station,

the ~~terminal equipment~~ mobile station updating stored Internet access point settings of the ~~terminal equipment~~ mobile station with Internet access point settings included in said broadcast message, if the ~~terminal equipment~~ mobile station notes, on the basis of stored and received system information, that the mobile communication network or part of the mobile communication network has changed.

7. (Previously Presented) A method as claimed in claim 1, wherein said system information is one of the following: country code, operator name, operator code, network name, network code, location area identifier.

8. – 12. (Cancelled)

13. (Currently Amended) ~~Terminal equipment~~ A mobile station of a digital mobile communication system, said ~~terminal equipment~~ mobile station comprising
means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,
a memory in which Internet access point settings used last time to access the Internet are stored,
a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,
means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the ~~terminal equipment~~ mobile station,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the ~~terminal equipment~~ mobile station with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted on the basis of the stored and received system

information that the mobile communication network or part of the mobile communication network has changed.

14. (Currently Amended) ~~Terminal equipment~~ A mobile station of a digital mobile communication system, said ~~terminal equipment~~ mobile station comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the ~~terminal equipment~~ mobile station,

means for comparing said received system information with said stored system information in response to initiation of a new Internet transaction, and

updating means responsive to said means of comparison to carry out said updating procedure before setting up a call via the mobile communication system to an Internet access point, if the ~~terminal equipment~~ mobile station notes on the basis of said stored and received information that the mobile communication network or part of the mobile communication network has changed.

15. (Currently Amended) ~~Terminal equipment~~ A mobile station of a digital mobile communication system, said ~~terminal equipment~~ mobile station comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the ~~terminal equipment~~ mobile station,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the ~~terminal equipment~~ mobile station with settings of the Internet access point recommended for the currently used mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed, said updating means in the ~~terminal equipment~~ mobile station further including

i) means for requesting Internet access point settings from the Internet service provider's server via the Internet, said request comprising system information identifying the current mobile communication network or part of the mobile communication network of the ~~terminal equipment~~ mobile station, and

ii) means for receiving a response including requested settings from the server via the mobile communication system, and for updating Internet access point settings of the ~~terminal equipment~~ mobile station with the received settings.

16. (Currently Amended) ~~Terminal equipment~~ A mobile station of a digital mobile communication system, said ~~terminal equipment~~ mobile station comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the ~~terminal equipment~~ mobile station,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the ~~terminal-equipment~~ mobile station with setting of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed, said updating means in the ~~terminal-equipment~~ mobile station further including

i) means for sending a short message requesting Internet access point settings to the message service centre, which has an access to the Internet network, said message containing system information identifying the current mobile communication network or part of the mobile communication network of the ~~terminal-equipment~~ mobile station, and

ii) means for receiving a message containing the requested settings from the message centre, and for updating Internet access point settings of the ~~terminal-equipment~~ mobile station with the received settings.

17. (Currently Amended) ~~Terminal-equipment~~ A mobile station as claimed in claim 13, wherein the ~~terminal-equipment~~ mobile station comprises means for receiving broadcast messages containing information on the settings of the recommended Internet access point, and wherein

said updating means are responsive to means of comparison for updating stored Internet access point settings of the ~~terminal-equipment~~ mobile station with Internet access point settings included in said broadcast message, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of it has changed.

18. (Previously Presented) ~~Terminal-equipment~~ A mobile station as claimed in claim 13, wherein said system information is one of the following: country code, operator's name, operator code, name of the network, network code, location area identifier.

19. (Currently Amended) A digital mobile communication system, comprising a message service and a ~~terminal-equipment~~ mobile station capable of establishing a connection via a mobile communication system to a number of Internet access points providing access to the Internet, wherein the mobile communication system is configured to broadcast to the

~~terminal equipment~~ mobile station messages including settings of at least one local Internet access point, which is recommended to be used in part of the mobile communication system in question.

20. (Currently Amended) ~~Terminal equipment~~ A mobile station of a digital mobile communication system, comprising:

a connectivity via a mobile communication system to a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

a receiver receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the ~~terminal equipment~~ mobile station,

a comparator comparing said received system information with said stored system information, and

a controller starting a procedure for updating stored Internet access point settings of the ~~terminal equipment~~ mobile station with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed.